

how to open git bash ya window terminal bash

Yaar simple scene hai 😊 Windows pe **Git Bash** ya **Bash/Terminal** open karne ke **sab common tareeqe** bata data hoon. Jo easy lage use kar lena ↗

✓ Method 1: Git Bash (Desktop se)

1. Desktop par jao
2. Right-click karo
3. Select “Open Git Bash Here”

↗ Ye tab kaam karta hai jab Git pehle se installed ho.

✓ Method 2: Start Menu se

1. Windows key dabao
2. Type karo: **Git Bash**
3. Enter press karo

✓ Method 3: Folder ke andar Git Bash

1. Jis folder me kaam karna hai us folder me jao
2. Right-click → Open Git Bash Here

↗ Project folder ke liye best tareeqa.

✓ Method 4: Windows Terminal (Bash / Git Bash)

Agar Windows Terminal installed hai:

1. Windows key → search Windows Terminal
2. Open karo
3. Upar v (dropdown arrow) pe click

4. Select Git Bash

- Agar nahi dikh raha:
 - Terminal → **Settings**
 - Add new profile → **Git Bash**
-

Method 5: CMD / PowerShell se Bash

Agar Git install hai:

bash

bash

 Copy code

ya

bash

git bash

 Copy code

Git Bash Installed nahi?

Check karne ke liye:

bash

git --version

 Copy code

Agar error aaye → Git install nahi.

Download:

- [https://git-scm.com/downloads ↗](https://git-scm.com/downloads)
-

Quick Recommendation

- Project folder ke liye → Right click → *Open Git Bash Here*
- General use → Start Menu → *Git Bash*

Agar tum chaho to batao:

- tum **React / Node project** ke liye use kar rahe ho?
- **Git already installed hai ya nahi?**

Phir main usi hisaab se next step guide karwa deta hoon, Yaar 🤘 😊



A screenshot of a Windows PowerShell window titled "Windows PowerShell". The command "git bash" is entered, resulting in an error message: "git : The term 'git' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again." At line:1 char:1

Acha, screenshot se bilkul clear ho gaya 👍

Issue simple hai:

👉 Git install hi nahi hai (ya install hai but PATH me add nahi hua), is liye PowerShell git command ko pehchan nahi raha.

Error ka matlab:

git : The term 'git' is not recognized



Solution (Step-by-Step) — 100% Working

◆ Step 1: Git Download karo

1. Browser open karo

2. Ye link open karo:

👉 <https://git-scm.com/downloads> ↗

 3. Windows wala download button click karo
-

◆ Step 2: Git Install karo (IMPORTANT SETTINGS)

Installer open hone ke baad ye cheezein zaroor check karna:

1. Next → Next
 2. Jab ye option aaye 👉
"Adjusting your PATH environment"
✓ Select this (VERY IMPORTANT):
👉 "Git from the command line and also from 3rd-party software"
 3. Baqi sab default rehne do → Next → Install
- 🚫 Agar ye option miss ho gaya, phir wahi error aata hai jo tumhe aa raha hai.
-

◆ Step 3: System Restart (Zaroori)

- PC restart karo (skip mat karna)
-

✓ Step 4: Verify Git Installed hai ya nahi

Restart ke baad:

PowerShell / CMD me likho:

bash

git --version

Copy code

- ✓ Agar output aaye jese:

nginx

git version 2.xx.x

Copy code

- 👉 Matlab Git sahi install ho gaya 🎉

✓ Step 5: Git Bash Open karo

Ab 3 tareeqe kaam karein ge:

◆ Method 1 (Best)

- Desktop / Folder me Right Click
- Open Git Bash Here

◆ Method 2

- Windows key
- Search: Git Bash
- Open

◆ Method 3 (PowerShell se)

bash

bash

 Copy code

🔥 Extra Tip (Tumhare Project ke liye)

React / Node / AWS ke kaam me:

- **Git Bash use karo** (npm, ssh, linux commands easy hoti hain)
 - PowerShell bhi chal jata hai, lekin Git Bash zyada smooth hota hai
-

Ab batao:

- Git install kar liya?
- git --version ka output kya aa raha?

Uske baad main tumhe **project folder se proper Git Bash workflow** bhi sikha deta hoon,
yaara 



meri learner lab ko to masla nahi ho ga na restart krne se

Short answer: Nahi yaara, bilkul masla nahi hoga 😊

Restart se Learner Lab ka kuch bhi kharab nahi hota. Thora detail samajh lo, tasalli ho jaayegi ➡

🔒 Learner Lab + Restart — Reality Check

✓ KYA SAFE HAI

- PC / Laptop restart → ✓ 100% safe
- Browser band ho jana → ✓ safe
- Git install / PATH change → ✓ safe

✗ KYA AFFECT NAHI HOTA

- Learner Lab ka AWS account
- Tumhari EC2, IAM, S3, etc.
- Lab ka remaining time
- Cloud wali cheezein (wo AWS side pe hoti hain, tumhare PC pe nahi)

➡ Learner Lab **cloud pe chalta hai**, tumhara system sirf browser hai.

⚠ Sirf ek cheez yaad rakhna

Restart se pehle:

- Agar AWS Console open hai → koi masla nahi
- Agar lab active hai → restart ke baad dobara login kar loge

Worst case:

- Thora sa logout ho jao ge
 - ➡ Dobra login → lab wapas same state me
-

🔥 Pro Tip (Exam / Viva wali feeling ke liye 😊)

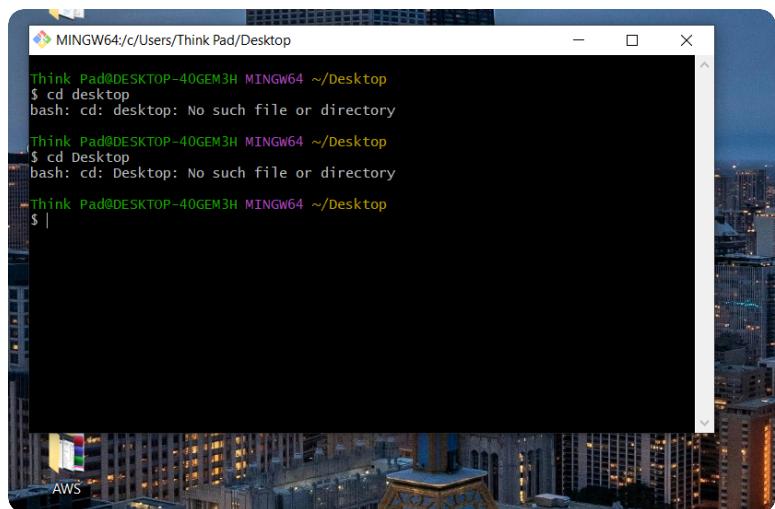
Restart ke baad:

1. Browser open
 2. Learner Lab login
 3. AWS Console open
 4. Sab services waisi hi milengi
-

✓ Final Verdict

- Restart karo, tension bilkul nahi
 - Git install ke liye restart zaroori hai
 - Learner Lab bilkul safe
-

Jab restart ke baad `git --version` chal jaaye,
to bolo “**ho gaya**”
phir hum **EstateCore** project ko AWS pe step-by-step deploy karna shuru kar dete hain,
yaara 🚀



Perfect screenshot ne bilkul clear kar diya masla.

Git Bash bilkul theek chal raha hai, bas path ka chakkar hai — tension zero 😊

Masla kya hai?

Tum already Desktop par ho

Prompt dekho:

nginx

MINGW64 ~/Desktop

Copy code

~ = C:/Users/Think Pad

~/Desktop = C:/Users/Think Pad/Desktop

Is liye jab tum likhte ho:

bash

cd desktop

Copy code

ya

bash

cd Desktop

Copy code

to error aata hai, kyun ke **tum already Desktop ke andar ho**.

Verify kar lo (Proof)

Ye command chalao:

bash

pwd

Copy code

Output kuch aisa aaye ga:

```
swift
```

```
/c/Users/Think Pad/Desktop
```

 Copy code

Ab kya karna hai?

◆ 1. Desktop ki files dekhni hain?

bash

```
ls
```

 Copy code

◆ 2. Desktop se bahar jana hai?

bash

```
cd ..
```

 Copy code

Ab tum:

bash

```
/c/Users/Think Pad
```

 Copy code

me ho jao ge

Phir dobara:

bash

```
cd Desktop
```

 Copy code

◆ 3. Direct Desktop jana ho (kahin se bhi)?

bash

Copy code

`cd ~/Desktop`

◆ 4. Apne project folder me jana (example)

Agar Desktop par folder hai **estatecore**:

bash

`cd ~/Desktop/estatecore`

Copy code

Pro Tip (Yaad rakhne wali baat)

- Linux/Git Bash case-sensitive hota hai
- Desktop ≠ desktop
- pwd = tum kaha ho
- ls = yahan kya kya hai

Final Check

Tumhara Git Bash:

- Installed
- Working
- Path sahi

Ab bilkul ready ho

Ab next batao:

- Project ka folder ka naam kya hai?
- Frontend + backend ek folder me hain ya alag?

Phir hum **AWS deployment** ka kaam full speed me start dete hain, yaara

...

```
import express from "express";
import dotenv from "dotenv";
import cookieParser from "cookie-parser";
import cors from "cors";

import { userRoute } from "./routes/userRoute.js";
import { residencyRoute } from
"./routes/residencyRoute.js";
import bookingRoute from "./routes/bookingRoutes.js";

dotenv.config();

const app = express();
const PORT = process.env.PORT || 5000;

// middlewares
app.use(express.json());
app.use(cookieParser());
app.use(cors());

// routes
app.use("/api/user", userRoute);
app.use("/api/residency", residencyRoute);
app.use("/api/bookings", bookingRoute);

// test route
app.get("/", (req, res) => {
  res.send("API is running");
});

// start server
app.listen(PORT, () => {
  console.log(`Server is running on port ${PORT}`);
}); kya ye har jagha 5000 port hee hai naa
```

Short answer: haan yaara, har jagah 5000 hi hota hai — *jab tak tum change na karo* 😊

Ab thora clearly samjho, kyun ke ye AWS / deployment me bohot kaam aata hai ⤵

🔍 Tumhare code ka matlab (line by line)

js

```
const PORT = process.env.PORT || 5000;
```

 Copy code

Iska matlab:

1. Agar environment variable `PORT` set ho
 - 👉 server usi port pe chalega
 2. Agar `PORT` set nahi hai
 - 👉 server 5000 pe chalega (default)
-

🟢 Local Machine (Tumhara PC)

Aksar hota kya hai:

- .env file me `PORT` defined nahi hota
- Is liye server 5000 pe start hota hai

Console me dekho:

pgsql

```
Server is running on port 5000
```

 Copy code

✓ Local ke liye bilkul theek

🟡 Production / Cloud (AWS, Render, Railway, etc.)

Yahan 5000 hard-code nahi hota:

- AWS / Cloud platform khud `PORT` assign karta hai
- Wo `process.env.PORT` me aa jata hai
- Tumhara code already sahi likha hua hai 👍

 Isi liye ye line **best practice** hai.

Galat kya hota?

Agar koi aise likh de:

js

```
const PORT = 5000;
```

 Copy code

 Phir AWS pe server start hi nahi hota (common mistake)

Frontend ko kaunsa port chahiye?

- Backend → 5000
- React (Vite) → 5173 (ya 3000)
- Frontend API call:

js

```
http://localhost:5000/api/user
```

 Copy code

Final Verdict

-  Local pe → 5000
-  AWS / Cloud pe → jo PORT env mile
-  Tumhara code → 100% correct

Agar chaho, next step me main ye bhi clear karwa doon:

- AWS EC2 me kaunsa port open karna hai (Security Group)
- React + backend connection ka flow
- CORS issue avoid kaise karein

Bas bolo, yaara 



```
app.listen(PORT, "0.0.0.0", () => {
    console.log(Server is running on port ${PORT});
}); kya ye line hai iss pooere index.js me import express
from "express";
import dotenv from "dotenv";
import cookieParser from "cookie-parser";
import cors from "cors";

import { userRoute } from "./routes/userRoute.js";
import { residencyRoute } from
"./routes/residencyRoute.js";
import bookingRoute from "./routes/bookingRoutes.js";

dotenv.config();

const app = express();
const PORT = process.env.PORT || 5000;

// middlewares
app.use(express.json());
app.use(cookieParser());
app.use(cors());

// routes
app.use("/api/user", userRoute);
app.use("/api/residency", residencyRoute);
app.use("/api/bookings", bookingRoute);

// test route
app.get("/", (req, res) => {
    res.send("API is running");
});

// start server
app.listen(PORT, () => {
```

```
console.log(`Server is running on port ${PORT}`);
});
```

Haan yaara  bilkul wahi line hoti hai, bas AWS / EC2 ke liye thori si modification chahiye.

Clear, seedhi baat karta hoon 

◆ Tumhara current code (Local ke liye OK)

js

```
app.listen(PORT, () => {
  console.log(`Server is running on port ${PORT}`);
});
```

-  Ye local machine pe bilkul theek chalta hai
-  Laptop / localhost pe koi issue nahi

 Copy code

◆ AWS / EC2 / Cloud ke liye (Recommended)

Cloud pe server ko bahar se accessible banana hota hai, is liye ye line better hoti hai:

js

```
app.listen(PORT, "0.0.0.0", () => {
  console.log(`Server is running on port ${PORT}`);
});
```

 Copy code

Difference kya hai?

- "0.0.0.0" = all network interfaces
- Matlab:
 - localhost se bhi chale
 - public IP / domain se bhi access ho

❓ Kya ye poora index.js me replace hoti hai?

YES

Sirf last part replace hota hai — baqi poora file same rehta hai.

✓ Final Correct index.js (AWS-ready)

js

```
import express from "express";
import dotenv from "dotenv";
import cookieParser from "cookie-parser";
import cors from "cors";

import { userRoute } from "./routes/userRoute.js";
import { residencyRoute } from "./routes/residencyRoute.js";
import bookingRoute from "./routes/bookingRoutes.js";

dotenv.config();

const app = express();
const PORT = process.env.PORT || 5000;

// middlewares
app.use(express.json());
app.use(cookieParser());
app.use(cors());

// routes
app.use("/api/user", userRoute);
app.use("/api/residency", residencyRoute);
app.use("/api/bookings", bookingRoute);

// test route
app.get("/", (req, res) => {
  res.send("API is running");
});

// start server (AWS / EC2 friendly)
```

```
app.listen(PORT, "0.0.0.0", () => {
  console.log(`Server is running on port ${PORT}`);
});
```

🔥 Important Reminder (AWS ke liye)

Ye line tab kaam karegi jab:

1. EC2 Security Group me port 5000 open ho
2. Inbound rule:

 Copy code

- Type: Custom TCP
 - Port: 5000
 - Source: 0.0.0.0/0
-

✅ Bottom line

- ✅ Local → dono chal jati hain
- ✅ AWS / Cloud → "0.0.0.0" zaroori hai
- ✅ Tumhara logic bilkul sahi hai

Agar chaho, next me:

- 👉 EC2 security group step-by-step
- 👉 Public IP se API test (browser / Postman)
- 👉 React frontend ko EC2 backend se connect

Bas bolo, yaara 🚀

      ...

full index.js update de copy paste wala

Done yaara 👍

Ye lo full index.js — AWS / EC2 ready, seedha copy-paste 🔥
(Express + Mongo routes + 0.0.0.0 binding)

js

```
import express from "express";
import dotenv from "dotenv";
import cookieParser from "cookie-parser";
import cors from "cors";

import { userRoute } from "./routes/userRoute.js";
import { residencyRoute } from "./routes/residencyRoute.js";
import bookingRoute from "./routes/bookingRoutes.js";

dotenv.config();

const app = express();
const PORT = process.env.PORT || 5000;

// ===== MIDDLEWARES =====
app.use(express.json());
app.use(cookieParser());
app.use(
  cors({
    origin: "*", // production me specific frontend URL rakhna
    credentials: true,
  })
);

// ===== ROUTES =====
app.use("/api/user", userRoute);
app.use("/api/residency", residencyRoute);
app.use("/api/bookings", bookingRoute);

// ===== TEST ROUTE =====
app.get("/", (req, res) => {
  res.send("API is running");
});

// ===== START SERVER =====
app.listen(PORT, "0.0.0.0", () => {
  console.log(`Server is running on port ${PORT}`);
});
```

Notes (important):

- "0.0.0.0" ⇒ EC2 / cloud se public access ke liye zaroori
- Local pe bhi bilkul theek chalega
- AWS Security Group me **port 5000** open hona chahiye

Agar chaho next:

- EC2 Security Group exact rules
- Public IP se API test
- React frontend ko is backend se connect

 Copy code

Bol do, yaara 



how to search for word in vs code

Easy scene hai, yaara 😊

VS Code me word search karne ke sab tareeqe short + clear bata deta hoon 

1 Current File me Search

 Ek file ke andar word dhoondna

Shortcut:

r

 Copy code

Ctrl + F

- Search box khul jaayega
- Word type karo
- Enter → next match
- Shift + Enter → previous match

2 Poore Project me Search (MOST USED)

Saari files me word dhoondna

Shortcut:

r

 Copy code

Ctrl + Shift + F

- Left side search panel khul jaata hai
- Word type karo
- Saari files me results dikh jaate hain

 React / Node project me ye bohot kaam aata hai

3 Case Sensitive / Whole Word / Regex

Search box me ye icons milte hain:

- Aa → Case sensitive
- ab| → Whole word only
- *. ** → Regex search

Example:

- PORT ≠ port (case sensitive on ho to)
-

4 Replace Word

Current file:

powershell

 Copy code

Ctrl + H

Whole project:

powershell

 Copy code

Ctrl + Shift + H

- Search word

- Replace word
 - Replace / Replace All
-

5 Quick Symbol / Function Search

 Function, variable, component jump

mathematica

 Copy code

Ctrl + Shift + O

Pro Tips (Developer wali cheezein)

- File open + search:

css

 Copy code

Ctrl + P

- Cursor pe jo word hai usko select karke:

r

 Copy code

Ctrl + F

→ auto-fill ho jaata hai

Tumhare case ke liye

Agar tum dhoond rahe ho:

- PORT
- app.listen
- bookingRoute
- localhost

 Ctrl + Shift + F best hai

Agar chaho to batao:

- kis word ka masla aa raha hai?
- frontend ya backend?

Main seedha ussi jagah le jaata hoon, yaara 🔥

